

REGISTRATION

Name: _____

Grade Taught: _____

School: _____

Mailing Address: _____

City, State, Zip Code: _____

Subjects Taught: _____

E-mail address: _____

Home Phone: _____

School Phone: _____

N.B. Please provide a letter of support from your school principal or curriculum coordinator.



(Continued other side)



Co-sponsored by the
USS CONSTITUTION MUSEUM

TEACHER INSTITUTE
July 28-August 1, 2003

**From Simple Machines
to Sailing and Steel Ships**

*An exploration of the science,
technology and history of the
Charlestown Navy Yard*

During this week-long institute sponsored by Boston National Historical Park and the USS Constitution Museum, participants will investigate the technological achievements of the Charlestown Navy Yard throughout its 174-year operational history.

This institute is designed for Massachusetts teachers looking for ways connect the history of the Charlestown Navy Yard to the relevant science and technology curriculum frameworks for 5th through 8th grade students.

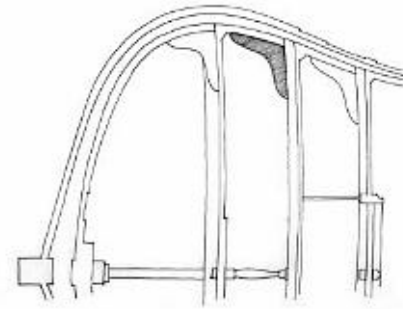
**Major funding
for this institute
was provided by:**



**Partial funding
also provided by:**



Experience Your America



Address Service Requested

Boston National Historical Park
Charlestown Navy Yard
Boston, MA 02129



U.S. Department of the Interior
National Park Service

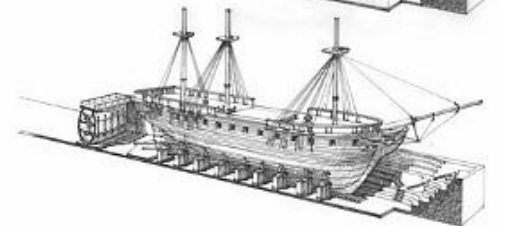
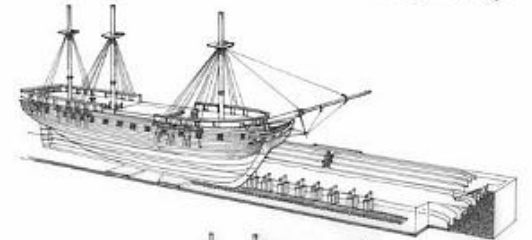
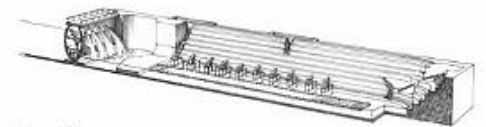
Boston National Historical Park
Charlestown Navy Yard

TEACHER INSTITUTE
2003

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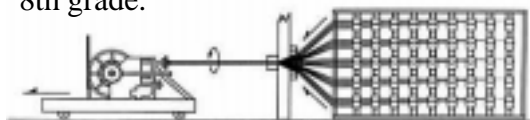


TEACHER INSTITUTE 2003

FROM SIMPLE MACHINES TO SAILING AND STEEL SHIPS

Teacher participants will:

- discover major technological developments and accomplishments including the Ropewalk and Dry Dock
- engage in discussion with scholars and field specialists
- participate in hands-on activities with simple machines and other technological processes
- develop a curriculum-based unit based on the information presented and in conjunction with the appropriate Massachusetts curriculum frameworks for science and technology for 5th through 8th grade.



TOPICS INCLUDE:

- ❖ *Discussion on problem-solving concepts through the use of appropriate materials, tools, and machines*
- ❖ *Discovering engineering design processes related to the Navy Yard*
- ❖ *Identifying and comparing examples of water transportation systems and devices*

GUEST SPEAKERS

DR. WILLIAM FOWLER
Director, Massachusetts Historical Society

LORRAINE THEROUX
*Elementary Science Teacher,
Boston Public Schools*

LOUIS HUTCHINS
*Senior Curator/Historian,
National Park Service, Northeast
Museum Services Center*

DR. MERRITT ROE SMITH
*Head, Program in Science,
Technology and Society, MIT;
Co-author of textbook
Inventing America*

TEACHING AND LEARNING ACTIVITIES

- Simple Machines workshop
- Ropemaking machine workshop
- Dry Dock workshop
- Shipbuilding project
- *Boston by Sea* — Boston Harbor boat tour from the *Boston History Collaborative*
- Participants develop relevant curriculum-based programming

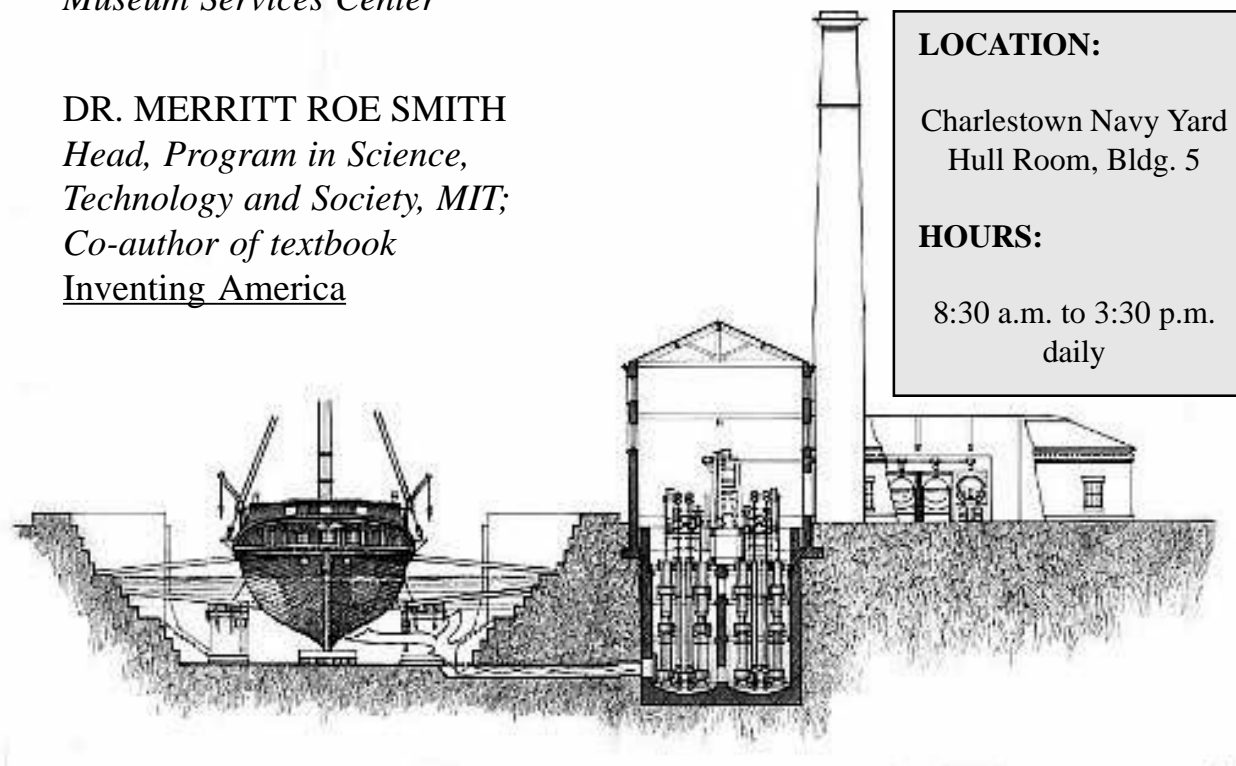
The institute offers a stipend of \$300 and 30 PDPs to each teacher participant. Teachers must submit a lesson plan on a topic covered in the institute to earn the stipend and PDPs.

LOCATION:

Charlestown Navy Yard
Hull Room, Bldg. 5

HOURS:

8:30 a.m. to 3:30 p.m.
daily



How does this institute relate to the curriculum that you teach?

Please return application to:

Sheila Cooke-Kayser
Education Specialist
Boston National Historical Park
15 State Street
Boston, MA 02109

Early registration is recommended as space is limited. Confirmations will be sent.

For questions or more information, please contact Sheila Cooke-Kayser at 617-242-5688 or at sheila_cooke-kayser@nps.gov